## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
RJB/P470006WO	ACTION	as well as, where applicable, item 5 below.
International application No.	International filing date (day/month	Wyear) (Earliest) Priority Date (day/month/year)
PCT/GB2004/000042	08/01/2004	09/01/2003
Applicant		
TOROTRAK (DEVELOPMENT) LTD		
This International Search Report has been according to Article 18. A copy is being tran	prepared by this International Search smitted to the International Bureau.	ching Authority and is transmitted to the applicant
This International Search Report consists of	of a total ofshee	ets.
X It is also accompanied by a	a copy of each prior art document cite	ed in this report.
language in which it was filed, unles	ss otherwise indicated under this iter	•
The international se this Authority (Rule	earch was carried out on the basis o 23.1(b)).	of a translation of the international application furnished to
b. With regard to any nucleot	ide and/or amino acid sequence d	disclosed in the international application, see Box No. I.
2. Certain claims were found	d unsearchable (See Box II).	
3. Unity of invention is lacking	ng (see Box III).	
4. With regard to the title,		
x the text is approved as subr	nitted by the applicant.	
the text has been established	ed by this Authority to read as follows	s:
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•		
	,	
5. With regard to the abstract,	sissed but the englished	
the text is approved as subm  The text has been established	•	Authority as it appears in Box No. IV. The applicant
may, within one month from	the date of mailing of this internation	nal search report, submit comments to this Authority.
6. With regards to the <b>drawings</b> ,	٠.	•
a. the figure of the drawings to be publ	ished with the abstract is Figure No.	3
x as suggested by the	• •	
	uthority, because the applicant failed	
b. none of the figures is to be pu	uthority, because this figure better ci	haracterizes the invention.
o none of the figures is to be po	ononed with the abstract.	



## INTERNATIONAL SEARCH REPORT

Interna application No.

PCT/GB2004/000042

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A continuously variable transmission is disclosed comprising a transmission input and output between which a variator (V) can be coupled, in either a low regime or a high regime, by gearing (R1,R2,R3,M). The relationship between variator ratio and overall transmission ratio is different in the two regimes. Incorporated in the gearing are first and second clutch means (L,H) both hydraulically actuated, for engaging and disengaging low and high regimes respectively. The gearing provides a synchronous ratio at which a change between low and high regimes, at constant variator ratio, provides no change in the overall transmission ratio. The transmission is provided with hydraulics which incorporate a shift valve (110) which controls application of hydraulic pressures to the first and second clutch means. A change in state of the shift valve (110) causes one clutch means to change from engaged to disengaged and the other to make the opposite transition. In this way changes of transmission regime are hydraulically controlled.

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	to International Patent Classification (IPC) or to both national c	lassification and IPC		
	S SEARCHED documentation searched (classification system followed by clas	reification ourshale)		
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Document	ation searched other than minimum documentation to the exten	t that such documents a	are included in the fields so	earched
Electronic	data base consulted during the international search (name of d	ata base and, where pe	ractical, search terms used	)
EPO-Ir	nternal			
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C. DOCUM	IENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the	he relevant passages		Relevant to claim No.
		· 	. 17	
X	US 5 669 846 A (HATTORI MASASH 23 September 1997 (1997-09-23) column 8, line 57 -column 11,		1.0	1-7,14
	column 13, line 12 -column 14,	line 51		
	column 15, line 57 -column 16,	line 65		
	column 17, line 25 -column 18, figures 1-6,9-11,14,15	line 20		
Α	rigures 1-0,9-11,14,15			8
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X	US 2002/086764 A1 (00YAMA KAZU 4 July 2002 (2002-07-04) paragraph '0061! - paragraph			1-3,14
	figures 1,8,9			•
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X Furth	ner documents are listed in the continuation of box C.	χ Patent far	nily members are listed in a	annex.
° Special cat	tegories of cited documents :	"T" later document	published after the interna	ational filing date
	nt defining the general state of the art which is not ered to be of particular relevance	or phonty date cited to under	e and not in conflict with the stand the principle or theor	application but
	ocument but published on or after the international	invention "X" document of pa	articular relevance; the clair	med invention
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	an the priority date claimed	*&* document mem	ber of the same patent fam	nily
Date of the a	ctual completion of the international search	1	of the international search	report
13	3 April 2004	1	6 MAY 2004	
lame and ma	ailing address of the ISA	Authorized offic	er	
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk			
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Truch	ot, A	

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	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		rielevarii io Giaiiri No.
(	US 2002/094904 A1 (KURAMOTO HIROAKI ET AL) 18 July 2002 (2002-07-18) paragraphs '0034!,'0042!,'0101!,'0102! paragraph '0114! - paragraph '0126! figures 1,11-13	1-3,14
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